



South Carolina Department of Education

Together, we can.

Cluster of Study: Information Technology

CIP Code: 110901

Major: Networking Systems

**Course selection will depend on satisfying prerequisites*

Required Core for Graduation	SAMPLE CORE CHOICES			
	For additional college entrance requirements, refer to the college of your choice			
	9	10	11	12
English* Four Units Required	English I	English II	English III	English IV
Math* Four Units Required	Algebra I	Algebra II or Geometry	Geometry or Pre-Calculus or Everyday Stats.	Pre-Calculus or Calculus or Adv. Math Topics
Science* Four Units Required	Physical Science	Biology I or Environ. Studies	Chemistry I or Physics or Marine Science or Biology II	Physics Biology III or Anat/Phys Honors or Criminal Forensics
Social Studies Three Units Required	One Unit of Social Studies		US History	Government/Economics
Additional State Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) Foreign Language or CTE (one unit) Electives (seven units) Pass High School Assessment Program Art (one unit)(per CHE entrance requirements)			

Required Courses for Major (Minimum of four credits required)	Complementary Coursework	Extended Learning Opportunity Options Related to Major
Networking 1 Networking 2 Plus two or more of the following: Computer Service Technology 1,2,3,4 Core Electronics Home Systems Technology Information Technology Foundations Networking 3, 4 Work Based Credit (Networking)	AP Computer Science Computer Applications 1, 2 Computer Programming 1, 2, 3, 4 Integrated Business Applications 1, 2 Oracle SQL and PL/SQL	Career Mentoring Shadowing Internship Work Based Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation

High School Diploma	Adt'l Training to 2-year Degree	4-Year Degree & Higher
Routing Specialist Networking Specialist Electronic Sales Representative	Telecommunications Manager LAN Administrator Network Technician	Telecommunications Engineer Network Administrator Network Information Systems Engineer Systems Analyst